

IN THE CLAIMS:

Please cancel claims 2, 8, 10 and 14.

Please amend claim 5 as follows:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

Subc 7
5. (Currently Amended) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine comprising:

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a permanent magnet type dynamo-electric machine, said permanent type magnet type dynamo-electric machine having a stator having a stator iron core around which a stator coil is wound, and a rotor arranged in said stator and separated therefrom by a rotational gap, said rotor having a plurality of permanent magnets arranged and fixed within a rotor iron core in a peripheral direction, and having auxiliary protruding poles;

said dynamo-electric machine and an engine being connected to a drive shaft in series; and

~~no~~ without a switching gear between forward and backward movements being provided; wherein,

whereby a shape of said motor in a circumferential direction at each pole is nonsymmetrical so that a ratio between a maximum torque output by said dynamo-electric machine when the electric vehicle moves forward and a torque output by the dynamo-electric machine when reverse moving establishes a

relation 1 : 1.05-1.2, whereby the torque at the reverse rotation becomes greater;
and

C
a permanent magnet inserting hole provided within said rotor iron core is ~~provided~~ situated at a predetermined inclined angle (θ) with respect to a said circumferential direction so that a distance from the rotational gap is greater in the normal rotation side of the dynamo-electric machine than in the reverse rotation side, and said permanent magnet is inserted ~~to~~ in said inserting hole.

6. (Cancelled)

Sub C17 7. (Original) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 5, wherein said inclined angle (θ) is 10 to 45 degrees (mechanical angle).

8. (Cancelled)

Sub C17 9. (Previously Amended) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 5, wherein a cross sectional shape in the rotational direction of said permanent magnet inserting hole and said permanent magnet is a rectangular shape.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

Sub C17 13. (Previously) Amended) A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 5, wherein a cross sectional shape in the rotational direction of said permanent magnet inserting hole and said permanent magnet is an arc shape.

14. ~~(Cancelled)~~

15. ~~(Cancelled)~~

16. ~~(Cancelled)~~

Sub C7
17. ~~(Previously Amended)~~ A hybrid electric vehicle employing a permanent magnet type dynamo-electric machine as claimed in claim 5, wherein a ratio between a width in a rotational direction of the permanent magnet inserting hole provided within said rotor iron core and a width in the rotational direction of said permanent magnet is 1 : 0.5-0.9.
